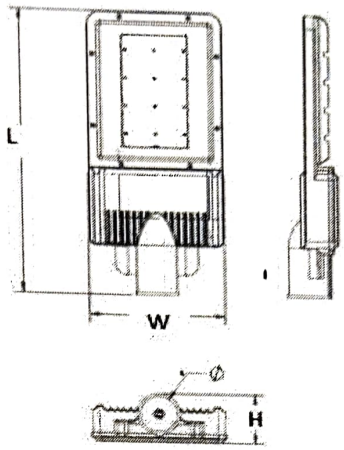
CK BIRLA GROUP

orient electric

switch to smart

TECHNICAL DATA SHEET

FIESTA PLUS 120



L - 446 mm
W - 205 mm
H - 85 mm

Mounting : Pole mounted with 60 mm Pole OD

Highly efficient IP66 LED streetlight with aluminium pressure die cast housing toughened glass in the front and peanut lens for batwing light distribution to ensure uniform light distribution ,higher spacing between poles and maintenance free system.

Technical Specification:

Main Housing :	Excellent thermally managed Pressure die cast aluminum
Front Cover:	Clear Toughned Glass
LED:	LM80 certified high power LED.
Lens:	Batwing 135/85 Degree
Gear:	Integral, Electronic, constant current driver.
Internal Wiring:	Industrial grade cooper wire
Hardware:	SS or Ms zinc plated & passivated.
Ingress protection:	IP 66
Lumen maintenance:	50,000 Hrs @ L70
Operating temperature:	0°C to 50°C
Rated voltage & frequency:	240V, 50Hz AC

 # Energy saving
 # Long life
 # Easy installation & maintenance

Cat. Ref.	Wattage	Current	Pf	Ithd	System Efficacy	CCT	CRI
LSFS-120-C	120 ± 5%	≤0.552	≥0.95	≤10%	≥100	5700	≥70

Protections: Open & Short circuit protection, reverse polarity protection and surge protection

Applicable Standard: IS 10322(Pt.5/Sec.3)1987 / IEC 60598

Applications:
Road lighting / Campus lighting / Industrial estates / Open parking

TDS No.	PLSL0419-010	Drawn By	AC
Revision	-	Approved By	RP
V-code	KI	Valid Upto	31-Mar-20

Orient Electric :
C-130 Sector 63
Noida I 201301

Pictures are for illustration purpose only, actual product may vary

PLANET ELECTRO LABS

WZ-407/B-1, Basai Dara Pur,
Near Ramesh Nagar Metro Station,
New Delhi-110015 (India)

Mob.: 91 9821974769|011-25106978
E-mail : planetelectrolabs@gmail.com
Website : www.planetelectrolabs.com

TEST CERTIFICATE

Report No.: PEL/ED/18700618A	IES LM79-08	Page 1 of 12
Dated: 12/07/2018		

TEST REPORT
IES LM 79-08
Electrical and Photometric Measurements of Solid State Lighting

Test Report No.	PEL/ED/18700618A
Date of Issue	12/07/2018
No. of Pages	12
Testing Laboratory Name **Address**	PLANET ELECTRO LABS WZ-407/B-1, First Floor, Basai Darapur, Near Ramesh Nagar Metro Station, New Delhi-110015 (INDIA)
Manufacturer's Name **Address**	M/S ORIENT ELECTRIC LTD. C-130, Sector-63, Noida (U.P) 201301, India
TRF No.:	PEL/ED/18700618A
TRF Originator:	PLANET ELECTRO LABS
Test Item Description	LED FIXTURE
Trade Mark	orient electric
Applicant	M/S ORIENT ELECTRIC LTD.
Model(if applicable)	NIL
Rating	Input Voltage: 220-240VAC, 50 Hz, Wattage: 100W, 5700K, PF>0.9

PART B - SUPPLEMENTARY INFORMATION

1. Deviations from the test methods as per relevant specification/ work instructions, if any: **NIL**
2. Details of the drawings, graphs, tables, sketches or photographs as referred in the test report, If any: **NIL**

Notes:

1. This report is not to be reproduced wholly or in part without our special permission in writing.
2. This report refers only to the particular sample detailed above and solely for Quality purpose.
3. The results reported in this certificate are valid at the time of and under the stipulated conditions of measurement.
4. Sample will be disposed off after 30 days of issue of test report if no any further information is received.
5. Any recognition claim in the test report is solely for promotional/advertising purpose and has no relation with the content of the report.
6. All test are certified except one with astrik.

Tested By	Approved by	Issued By
Testing Engineer	Dy. Technical Manager	Proprietor
Date: 12/07/2018	Date: 12/07/2018	Date: 12/07/2018

Terms & Conditions: 1. This report will not be valid for judicial purpose. 2. Total liability of our laboratory is limited to invoiced amount. 3. Test reports are valid only for the sample tested in our laboratory. 4. Samples tested are Non-Returnable until specified at time of sample submission.

PLANET ELECTRO LABS

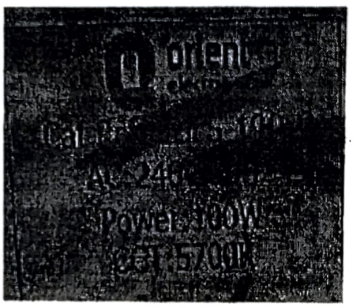
WZ-407/B-1, Basai Dara Pur,
Near Ramesh Nagar Metro Station,
New Delhi-110015 (India)

Mob.: 91 9821974769|011-25106978
E-mail : planetelectrolabs@gmail.com
Website : www.planetelectrolabs.com

TEST CERTIFICATE

Report No.: PEL/ED/18700618A	IES LM79-08	Page 2 of 12
Dated: 12/07/2018		

Marking Plate



Tested By	Approved by
Rahul	PLANET ELECTRO LABS
Testing Engineer	Dy. Technical Manager

Terms & Conditions: 1. This report will not be valid for judicial purpose. 2. Total liability of our laboratory is limited to invoiced amount.
3. Test reports are valid only for the sample tested in our laboratory. 4. Samples tested are Non-Returnableuntil specified at time of sample submission.

PLANET ELECTRO LABS

Z-407/B-1, Basai Dara Pur,
ear Ramesh Nagar Metro Station,
ew Delhi-110015 (India)

Mob.: 91 9821974769|011-25106978
E-mail : planetelectrolabs@gmail.com
Website : www.planetelectrolabs.com

TEST CERTIFICATE

Report No.: PEL/ED/18700618A	IES LM79-08	Page 3 of 12
Dated: 12/07/2018		

Table – List of Attachments

Attachment No.	Attachment Description	No. of pages in Attachment
Attachment – 1	Spatial Color Distribution Report	1
Attachment – 2	Spectral Power Distribution	>1
Attachment - 3	Photographs	1

Possible test case verdicts:

- test case does not apply to the test object.. : N/A
- test object does meet the requirement..... : P (Pass)
- test object does not meet the requirement.. : F (Fail)

Testing ..... :

Date of receipt of test item..... : 06/07/2018

Date (s) of performance of tests..... : 06/07/2018 to 11/07/2018

Laboratory conditions.....:

Ambient Temperature.....: (25±3)°C

Ambient Humidity.....: (60±15)%RH

Tested By	Approved by
Rahul	PLANET ELECTRO LABS
Testing Engineer	Dy. Technical Manager

Terms & Conditions: 1. This report will not be valid for judicial purpose. 2. Total liability of our laboratory is limited to invoiced amount. 3. Test reports are valid only for the sample tested in our laboratory. 4. Samples tested are Non-Returnable until specified at time of sample submission.

PLANET ELECTRO LABS

Z-407/B-1, Basai Dara Pur,
ear Ramesh Nagar Metro Station,
ew Delhi-110015 (India)

Mob.: 91 9821974769|011-25106978
E-mail : planetelectrolabs@gmail.com
Website : www.planetelectrolabs.com

TEST CERTIFICATE

Report No.: PEL/ED/18700618A	IES LM79-08	Page 4 of 12
Dated: 12/07/2018		

Details of Tests Performed and Result		
Sl	Test Parameters	
1	Input RMS AC Voltage	IES LM79/Cl.No.:8.0
2	Input RMS AC Current	IES LM79/Cl.No.:8.0
3	Input AC Power	IES LM79/Cl.No.:8.0
4	Power factor	IES LM79/Cl.No.:8.0
5	Frequency	IES LM79/Cl.No.:8.0
6	Total Luminous Flux*	IES LM79/Cl.No.:9.0
7	Luminous Efficacy*	IES LM79/Cl.No.:11.0
8	Chromaticity Coordinates*	IES LM79/Cl.No.:12.0
9	Correlated Color Temperature*	IES LM79/Cl.No.:12.0
10	Color Rendering Index*	IES LM79/Cl.No.:12.0

General remarks:

1. The test results presented In this report relate only to the object tested.
2. This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.

Tested By	Approved by
Rahul	PLANET ELECTRO LABS
Testing Engineer	Dy. Technical Manager

Terms & Conditions: 1. This report will not be valid for judicial purpose. 2. Total liability of our laboratory is limited to invoiced amount. 3. Test reports are valid only for the sample tested in our laboratory. 4. Samples tested are Non-Returnable until specified at time of sample submission.

PLANET ELECTRO LABS

WZ-407/B-1, Basai Dara Pur,
Near Ramesh Nagar Metro Station,
New Delhi-110015 (India)

Mob.: 91 9821974769|011-25106978
E-mail : planetelectrolabs@gmail.com
Website : www.planetelectrolabs.com

TEST CERTIFICATE

Report No.: PEL/ED/18700618A	IES LM79-08	Page 5 of 12
Dated: 12/07/2018		

Clause No.	Test / Requirement Name	Test Result / Observation
8.0	Electrical Instrumentation The Electrical Characteristics measured for AC Powered SSI Products are 1. Input RMS AC Voltage	240.10V
	2. Input RMS AC Current	0.415A
	3. Input AC Power	99.8W
	4. Power Factor	0.9980
	5. Frequency	49.97Hz
9.0	Total Luminous Flux*	10493.970Lm
10.0	Spatial Color Distribution Report*	Attached as attachment-1
11.0	Luminous Efficacy*	105.15lm/W
12.0	Color Characteristics* 1. Chromaticity Coordinates Delta uv	x: 0.3291, y: 0.3429 u': 0.1974, v': 0.4677 0.00127
	2. Peak Wavelength (nm)	444.2
	3. Dominant Wavelength (nm)	494.6
	4. Half Width Wavelength (nm)	20.0

Tested By	Approved by
Rahul	PLANET ELECTRO LABS
Testing Engineer	Dy. Technical Manager

Terms & Conditions: 1. This report will not be valid for judicial purpose. 2. Total liability of our laboratory is limited to invoiced amount. 3. Test reports are valid only for the sample tested in our laboratory. 4. Samples tested are Non-Returnable until specified at time of sample submission.

PEL
ET ELECTRO LABS

PLANET ELECTRO LABS

-407/B-1, Basai Dara Pur,
ar Ramesh Nagar Metro Station,
w Delhi-110015 (India)

Mob.: 91 9821974769|011-25106978
E-mail : planetelectrolabs@gmail.com
Website : www.planetelectrolabs.com

TEST CERTIFICATE

Report No.: PEL/ED/18700618A	IES LM79-08	Page 6 of 12
Dated: 12/07/2018		

	5. Purity (%)*	3.245
	6. Correlated Color Temperature*	5710K
	7. Color Rendering Index*	71.6
	8. Color Rendering Index (R1)	69.9
	9. Color Rendering Index (R2)	74.6
	10. Color Rendering Index (R3)	77.5
	11. Color Rendering Index (R4)	73.4
	12. Color Rendering Index (R5)	71.2
	13. Color Rendering Index (R6)	66.3
	14. Color Rendering Index (R7)	79.8
	15. Color Rendering Index (R8)	60.2
	16. Color Rendering Index (R9)	-28.4
	17. Color Rendering Index (R10)	39.4
	18. Color Rendering Index (R11)	71.7
	19. Color Rendering Index (R12)	43.1
	20. Color Rendering Index (R13)	69.9
	21. Color Rendering Index (R14)	87.4
	22. Color Rendering Index (R15)	64.7

Supplementary Information:

1. The sample is tested according to IES LM79-08.
2. Photometric parameters are obtained using LPCE3 CCD Spectroradiometer.
3. The sample has been operated at 220-240VAC.
4. The sample has been operated for 45 minutes prior to measurement for a stable condition.
5. The orientation (burning position) of SSL product during test is its normal burning position.
6. Total Spectral Radiant Flux Lamp, SLS- 100W calibrated (NIM traceable) has been used Standard Lamp

Tested By	Approved by
Rahul	PLANET ELECTRO LABS
Testing Engineer	Dy. Technical Manager

Terms & Conditions: 1. This report will not be valid for judicial purpose. 2. Total liability of our laboratory is limited to invoiced amount.
3. Test reports are valid only for the sample tested in our laboratory. 4. Samples tested are Non-Returnableuntil specified at time of sample submission.

भारतीय मानक ब्यूरो
BUREAU OF INDIAN STANDARDS
(Ministry of Consumer Affairs, Food & Public Distribution, Govt. of India)

मानक भवन, 9 बहादुर शाह जफर मार्ग, नई दिल्ली - 110002
Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi - 110002
दूरभाष/Phone: +91-11-23230856/23230101/31/23233375/23239402
ई-मेल/e-mail: registration@bis.org.in
वेबसाईट/Website: http://www.bis.gov.in, http://crsbis.in/BIS

Our Ref: Registration/CRS 2018-2423/R-96001341

Date:24-07-2018

Subject : Grant of Registration

MANUFACTURING UNIT :	KONARK PRODUCTS VPO MOGINAND, KALA AMB, DISTRICT SIRMOUR, HIMACHAL PRADESH-173030, INDIA Mr. RUPENDER THAKUR, DIRECTOR ved.Aggarwal@konarkgroup.com 9899101760

Dear Sir,

1.With reference to your Application, we are pleased to inform you that it has been decided to grant you registration as per details given below :

PRODUCT :	LED Luminaires for Road and Street Lighting
IS NO :	IS 10322 (PART 5/SEC 3) : 2012
BRAND :	ORIENT ELECTRIC
MODEL :	SL-250W, SL-240W, SL-210W, SL-200W, SL-180W, SL-160W, SL-150W, SL-135W, SL-120W, SL-100W, SL-90W, SL-80W, SL-75W, SL-70W, SL-60W, SL-50W, SL-45W, SL-40W, SL-30W, SL-20W
FACTORY ADDRESS :	KONARK PRODUCTS VPO MOGINAND, KALA AMB, DISTRICT SIRMOUR, HIMACHAL PRADESH-173030, INDIA

2. The Registration is being granted for your unit located at the address and for the brand and models mentioned at serial no 1 above.

3. The number assigned to this Registration is **R-96001341** which has been made operative from **20-07-2018** and is valid upto **19-07-2020** The Registration Number should invariably be referred to in your future correspondence.

4. The rights and privileges under the registration shall not be exercised by any other factory / organization at any other location. This registration is not transferable. In the event of shifting of the manufacturing machinery from the registered premises to some other place use of the Registration Number shall be stopped and BIS shall be informed.

5. You shall comply with the provisions of Bureau of Indian Standards Act, 2016 and relevant Rules and Regulations.

6.You shall follow the guidelines for the use of Standard Mark and labeling requirements under BIS Compulsory Registration Scheme for Electronic and IT Products given in circular No. Ref : CMD 3/8: 1/6975 dated 03/12/2015 available on BIS website and Ministry of Electronics and Information Technology (MeitY) notification S. O. 638(E) dated 10/02/2016.

7. You shall not use the registration in any manner which contravenes the provisions of Bureau of Indian Standards Act, 2016 and relevant Rules and Regulations.

8. Upon expiry of validity, stoppage or suspension or cancellation of registration, you shall discontinue forthwith the self declaration of conformity to the relevant Indian Standard(s) and withdraw all promotional and advertising matter which contains any reference thereto.

9. As per your declaration, **Mr. RUPENDER THAKUR, DIRECTOR** is your authorized representative. Any intended change in the name of the Indian representative ought to be brought to our notice immediately.

10. **It may be noted that for consideration of renewal of your registration, you shall have to apply to BIS at least one month in advance before expiry of the validity period.** Application Form for Renewal (FORM IX) is available on BIS website.

11. This letter is being issued with the approval of competent authority. Kindly acknowledge receipt of this letter.

Thanking you,

Yours faithfully,

27-7-18

(Sundeep Kumar)
Scientist-C (Reg.Deptt.)
Telefax : +91-11-2323 0856
E-mail: registration@bis.org.in